

Uranium Site Characterization Based on Environmental Availability and Respirable Activity

M. Laudeman, D. Condra, S. Shipley
Oak Ridge Institute for Science and Education
D. Moser
U. S. NRC

A more complete approach to characterization of a uranium site for potential remediation was devised and performed. This evaluation utilized laboratory analysis of site material for environmental availability to assess potential dose pathways rather than simply characterizing site contamination. Samples were also evaluated for respirable activity to determine potential internal dose for remediation workers. A novel approach for evaluation of respirable activity was devised and performed.